

Release notes for ENDF/B Development std-001_H_001
evaluation

ENDF
B-VII.dev

November 1, 2016

- **checkr** Warnings:

1. The standards sublibrary uses NSUB=19, but this was never officially adopted by CSEWG for the ENDF format.
MAT= 125, MF= 1, MT=451 (0): Stds. NSUB

```
ERROR(S) FOUND IN MAT= 125, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB =      19      RECORD NUMBER      4
```

2. A previous error halted parsing of the current section
MAT= 125, MF= 1, MT=451 (2): Parsing stopped

```
ERROR(S) FOUND IN MAT= 125, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      84 TO      87
```

3. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT= 125, MF= 3, MT=451 (0): Incompleteness

```
ERROR(S) FOUND IN MAT= 125, MF= 3, MT=451
LRP = 0 Requires the presence of File 2, but it is missing.
```

4. CHECKR does not realize that the standards library is a neutron data sublibrary.
MAT= 125, MF= 4, MT= 2 (0): Ang. Dist. OK

```
ERROR(S) FOUND IN MAT= 125, MF= 4, MT= 2
FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYRECORD NUMBER      126
```

5. A previous error halted parsing of the current section
MAT= 125, MF= 4, MT= 2 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT= 125, MF= 4, MT= 2
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      126 TO      322
```

- **checkr** Errors:

1. A variable is outside the allowed ENDF range
MAT= 125, MF= 1, MT=451 (1): Variable range

```
ERROR(S) FOUND IN MAT= 125, MF= 1, MT=451
MOD =      5 OUT OF RANGE      0 -      0      RECORD NUMBER      84
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT= 125, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT= 125, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      89
```

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)
MAT -1 MF 6 (1): Missing files (a)

ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 2 REQUIRES AN EQUIVALENT SECTION IN FILE 6

- **psyche** Warnings:

1. The standards sublibrary is not meant for transport calculations and is not required to be complete.

FILE 4 / SECTION 2 / CANNOT PERFORM WICK LIMIT TEST BECAUSE TOTAL AND/OR ELASTIC CROSS SECTIONS ARE MISSING. (0): Incompleteness

FILE 4

SECTION 2

CANNOT PERFORM WICK LIMIT TEST BECAUSE TOTAL AND/OR ELASTIC CROSS SECTIONS ARE MISSING.

- **fudge-4.0** Warnings:

1. Indicates a test was skipped due to missing information

reactionSuite: (Error # 0): Test skipped

WARNING: Skipped test Wick's limit: "Channel 'total' could not be found!"